

EXHIBIT C

Paresh K Jillhewar P.E., PMP

14698 Briar Forest Drive Apt # 8106, Houston-TX-77077

Phone: (713) 419-7421

Email: paresh.jillhewar@airgas.com

15+ year experienced professional with proven success in Project Development, managing CapEX Projects, Team member, Engineering, Reliability, Troubleshooting in the field of manufacturing of Industrial, and Electronic Gases. Creative and detail oriented professional with a successful record in project management, on-time and on-budget project delivery. A recognized team player with strong communication, interpersonal, technical and analytical skills. Consistently achieved desired results, in fast-paced, dynamic, and challenging business environments.

SUMMARY:

- More than 15 years of experience in Engineering, Project development, Project and Construction management
- Licensed Professional Engineer (Chemical) in the state of Texas and PMI Certified PMP
- Prepare budget estimate, timeline, Capital requests for various small and midsize projects and manage approved projects, track progress and meet set deadlines
- Extensive experience in the areas of Process simulation, Conceptual studies, development of Flow Diagrams, Process & Instrumentation Diagrams, equipment sizing and preparing equipment datasheets
- Proficient in using process simulators such as Aspen HYSYS, Batch Dist and Office and Google suite tools like Word, Excel, Powerpoint, Project etc.
- Excellent at preparing and presenting strategic solutions to complex problems
- Expertise in plant commissioning, start up and knowledge transfer. Extensive overseas start up and commissioning experience

PROFESSIONAL EXPERIENCE:

Senior Project Manager/ Senior Design Engineer VSA SME

Airgas, an Air Liquide Company, Houston TX

10/2016 till date

Major projects:

- Process design, Management, Installation and Startup of VSA plants at New Bern, NC and Dublin GA
- Upgrade of ASU FBT tanks, filling operations
- Review and approve engineering deliverables; PFDs, P&IDs, Plot Plans, Process Controls Strategies, Process Datasheets on VSAs
- Project Development as per the Business requirements; Develop Scope and detailed Class 2 and 3 Cost estimates
- Use CI guidelines in managing projects such as new plant installation, process upgrades, plant expansion and improvement
- Liaise with Project Stakeholders, both Internal and External on an ongoing basis. Maintain regular and effective communication with stakeholders throughout Project lifecycle
- Successfully execute projects Safely, On-time, on or below Budget and meet or exceed the Project deliverables using CI process
- Develop and maintain WBS, Gantt Chart, SOW documents, Bid tabs, RACI chart, project reports, Contractor agreements

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- Ensure the plant designs comply with all applicable inter-company, federal, state, and local agency requirements and regulations
- Oversee and guide contractors as well as junior staff in plant design, operation and understanding plant processes
- Ensure new and existing plant designs meet customer requirements and Airgas business goals
- Construction management, plant commissioning and startup, onsite technical support and troubleshooting
- Participate in Hazard or Management of Change reviews and approvals, PSSRs, SOP development and training as needed
- Support development of selected risk assessments for new and existing assets and in the implementation of subsequent action plans on VSA
- Provide leadership and guidance to drive continuous improvement for process safety on VSAs and associated equipment
- Provide or coordinate in developing preliminary and detailed engineering design packages

Senior Design Engineer VSA & EOX SME

Air Liquide Industrial US, Houston TX

08/2015 till 10/2016

Major Projects:

- Hydrogen HUB plant at Littleton, MA
- VSA Project development

- Perform process simulations using Hysys, engineering calculations, BOP design, develop equipment specifications and procurement requirements
- As SME support all VSA and EOX installations per operation requirement and provide startup support during Turnaround & New equipment Commissioning
- Engineering for projects related to troubleshooting and improvement
- Assist and provide technical support in developing Contractor Scope, Review of Contractor bids and Technical Solutions
- Development of new VSA project or relocation of existing idle VSA asset. Prepare and present Project proposal & detailed cost estimates to key Stakeholders
- Provide technical support to contractors during plant construction. Review construction drawings and answer technical queries
- Review and implement AL standards in plant design

Senior Process Engineer, Matheson Gas, Inc. Houston, TX

02/2005 to 08/2015

- Process design and Engineering of Electronic Gas manufacturing, purification and fill plant.
- Establish Process Flow Diagrams (PFD's), Process and Instrumentation Diagrams (P&ID's), Bill of Materials (BOM) for specialty and electronic gas purification and Abatement systems.
- Participate in PHA (Process Hazard Analysis), PSSR(Pre Start up Safety Review), and MOC (Management of Change) of various processes.
- Lead role in Commissioning, Start-up and Hand over of Electronic gas manufacturing, purification and filling plants.
- Detail design of Distillation column, Adsorber columns, ASME holding vessels and various other process equipment (pumps, heat exchangers, control valves, etc.)
- Identify issues and develop technical reports on process related issues, discuss report with multi-disciplinary team and implement changes in coordination with production department

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- Debottlenecking and process improvement implementation to bring it up to date to industry standards as per ASME VIII, NFPA 55, and CGA
- Develop Control Sequences, write SOPs for Manufacturing and handling of the Hydride gases and other hazardous electronic gases

Process Engineer, Petro-Project Engineering, La Porte, TX
09/2004 to 01/2005

- Process studies, finding technical data, comparison and equipment design for process applications
- Developing process designs for scale up, modification of existing facilities
- Performing Heat and Material balance on existing and new processes and analysis
- Simulation of existing and new processes (Continuous and Batch Distillation columns) using simulators such as Design II etc.

EDUCATION:

Master of Science in Natural Gas Engineering, August 2004
Texas A&M University-Kingsville

Bachelor of Technology in Petro-Chemical Engineering
Dr. B.A. Technology University, India

Contact

christian.a.hatfield@gmail.com

www.linkedin.com/in/christian-hatfield-pmp-57b2501a (LinkedIn)

Top Skills

Chemical Engineering
Process Engineering
Project Engineering

Certifications

PMP

Christian Hatfield, PMP

Project Manager at Airgas
Greater St. Louis

Summary

My experience is focused on engineering and project management in the chemicals industry.

Experience

Airgas
Project Manager
April 2017 - Present (3 years 7 months)
Greater St. Louis Area

As a project manager I manage and support multiple projects across the U.S. Our team focuses on new installations and large upgrades to existing facilities.

Air Liquide
6 years 10 months

Plant Manager
September 2014 - April 2017 (2 years 8 months)
Pevely, MO

As a plant manager I was tasked with controlling operations, projects, budgets, and reporting for two oxygen production facilities in order to meet safety, reliability, and efficiency goals. Major projects included upgrading water treatment systems, managing planned and unplanned shutdowns, and establishing a preventive maintenance program for the newer facility. Management of personnel, inventory, planned maintenance, and customer relations provided new experience to take into future roles.

Plant Engineer
August 2012 - September 2014 (2 years 2 months)
Mount Vernon, IN

My position as the plant engineer included functions centered around plant safety, efficiency, and reliability. I worked with management, maintenance, operations, and contractors to develop and complete projects that improve plant operations and safety. My roles also focused on document management including safety (MSDS, SOPs), operational (SOPs, Forms), and process (P&IDs, Instrumentation) documents. Day to day activities included plant

inspections, troubleshooting, tracking production, training personnel, audit prep/participation, and other general duties.

ALLEX Engineer

July 2010 - July 2012 (2 years 1 month)

The ALLEX program at Air Liquide is a rotational program in which new hires gain experience working in multiple job functions and locations. My time in the program was spent as a Project Specialist for carbon dioxide production, a Plant Engineer in the electronics division, a Business Analyst in the medical division of Air Liquide Canada, and a Zone Engineer role for primary production. Through my roles I gained experience with project management, operational roles, control systems, process equipment and design, financial tracking, and much more.

BP

Facilities Intern

May 2009 - August 2009 (4 months)

My second internship with BP was in the upstream facilities group working on natural gas wellhead projects. I managed the installation of wellhead compressors, tracked compressor efficiency, and worked with maintenance on pipeline compressors. I gained knowledge of wellhead equipment and processes as well as scheduling and tracking projects.

BP

Process Intern

May 2008 - August 2008 (4 months)

Texas City, Texas

During my first internship with BP I worked with the process technology engineering group at the BP Texas City refinery. Projects included creating PI based monitoring tools for fired heater efficiency as well as evaluating PSV tracking across the site. Working in an industrial facility developed my knowledge of process equipment, project management, and interactions with engineering, management, and operational groups.

Education

University of Michigan

Bachelor of Engineering (BE), Chemical Engineering · (2006 - 2010)

Contact

minhphuongpham@gmail.com

www.linkedin.com/in/huy-minh-pham-pe-770a7582 (LinkedIn)

Top Skills

Cryogenic plant design,
manufacturing and trouble shooting

Product Development

Engineering

Languages

French

Vietnamese

Huy Minh Pham, PE

Air Liquide International Fellow - Overall Design Authority at ALPC
Houston

Summary

Curious and Passionate

Experience

Air Liquide Process & Construction

Overall Design Authority

2008 - Present (12 years)

Oversee and approve final design of all plants design and built by Air Liquide Process and Construction.

Air Liquide Process and Construction

Technology Manager and Risk Management Representative

September 1999 - 2008 (9 years)

Air Liquide HangZhou

Manufacturing Manager

May 1997 - October 1999 (2 years 6 months)

Organize and develop expertise for manufacturing of AL highest standards of cryogenic equipment

Obtain international certification for the facility such as ASME U-stamp and ISO-9000

Manufacture cryogenic equipment for use in China and for export

Air Liquide Process and Construction

Design Manager and member of Technical Council

May 1994 - April 1997 (3 years)

Houston, TX

Air Liquide Process & Construction

Project Engineer and CVSA task force design manager

March 1989 - May 1994 (5 years 3 months)

Montreal

Develop and provide technical support for new standard Compact VSA line of products.

Mec-Fab Inc.

Chief Engineer

1987 - 1989 (2 years)

Oversee design and fabrication of Wet End equipment for Pulp and Paper industries.

Gouvernement du Quebec

CRN Approval Engineer

1985 - 1987 (2 years)

Review and approve all pressure vessels design or to be installed in Quebec and assign CRN

Electrovox-Santel

R/D engineer

1982 - 1985 (3 years)

Education

McGill University

Bachelor of Engineering (BEng), Mechanical Engineering · (1977 - 1981)

Dawson College

DEC, Pure and Applied Sciences · (1976 - 1977)

Chu Van An

Not graduated, A2-B2 · (1969 - 1975)

Contatta

www.linkedin.com/in/federico-brandani-ab158332 (LinkedIn)

Federico Brandani

R&D Engineer presso Air Liquide
Roma

Esperienza

Air Liquide
R&D Engineer
ottobre 2012 - Present (8 anni 1 mese)
Les Loges en Josas (France)

Università Campus Bio-Medico
Ricercatore
maggio 2010 - settembre 2012 (2 anni 5 mesi)

Department of Chemistry, Chemical Engineering and Materials of the
Università degli Studi de L'Aquila
Researcher
novembre 2008 - maggio 2010 (1 anno 7 mesi)

The contract is part of the research program called "Pure Hydrogen from Natural Gas Through Total Conversion Reforming Obtained by Integrating Chemical Reactions and Separation by Membranes" which is financed by the Italian Ministry of the Research. My role in this collaboration was to assure the coordination of the Workpackage dealing with the mathematical modelling and the process simulation using in-house build models as well as commercial process simulators such as Aspen Plus®.

Grupo de Pesquisa em Separações por Adsorção at the
Universidade Federal do Ceará, Fortaleza, Brazil
Visiting Researcher
gennaio 2007 - luglio 2007 (7 mesi)

In collaboration with prof. Célio Loureiro Cavalcante Jr. coordinating the research work in the field of adsorption (synthesis of materials, characterization adsorption by several experimental techniques and adsorption modeling) of graduate and post-doctorate students. During the same time I contributed to the construction and implementing of ZLC apparatus in the GPSA.

Liquide: Centre de Recherche Claude-Delorme, groupe Production
Research Engineer

febbraio 2005 - luglio 2006 (1 anno 6 mesi)

Formulation of microscopic mass-transfer kinetic models and their implementation in SIMBAD. Testing and validation of the implemented code with specific emphasis on kinetically driven Pressure Swing Adsorption separation processes.

Formazione

Università degli Studi dell'Aquila

Laurea, Ingegneria Chimica · (1995 - 2000)

Universita' degli Studi di L'Aquila, Italy

Laurea Degree (equivalent to M.Sc.), Chemical Engineering

University of Maine, Orono, USA

PhD, Chemical Engineering

Coordonnées

[www.linkedin.com/in/guillaume-rodrigues-b3895852 \(LinkedIn\)](https://www.linkedin.com/in/guillaume-rodrigues-b3895852)

Guillaume Rodrigues

Key Program Manager - Carbon Capture and Liquefaction Technologies

Talence

Expérience

AIR LIQUIDE GLOBAL E&C SOLUTION FRANCE SA
(INCORPORATED IN FRANCE)

Key Program Manager - Carbon Capture and Liquefaction Technologies
janvier 2018 - Present (2 ans 10 mois)
Région de Paris, France

In charge of developing and offering CO2 capture and liquefaction technologies to all key customers of Air Liquide.

In parallel acting as group expert for adsorption processes (new processes, troubleshooting, adsorbents expertise) - 16 years experience.

Air Liquide Engineering & Construction - SP

Manager of products Development team / Specialist of Adsorption processes
juillet 2013 - janvier 2018 (4 ans 7 mois)
Champigny S/Marne

Air Liquide CRCD

10 ans

R&D Adsorption Team Manager & International Expert Adsorption processes
2009 - 2013 (4 ans)
Jouy-en-Josas

R&D Project Manager - Physical Separation of Gases

2006 - 2009 (3 ans)

Jouy-en-Josas

R&D Engineer

2003 - 2006 (3 ans)

Formation

ENSEIRB-MATMECA

Université de Bordeaux
Research Master, Fluid and Solid Mechanics · (2002 - 2003)

Ecole nationale supérieure d'Electronique, Informatique et de
Radiocommunications de Bordeaux
Diplôme d'ingénieur, MATMECA

Contact

www.linkedin.com/in/pierre-petit-27964b (LinkedIn)

Top Skills

Engineering
Management
Change Management

Languages

English (Professional Working)

Pierre Petit

Technical Director
Champigny-sur-Marne

Experience

Air Liquide
Expert

Education

Arts et Métiers ParisTech - École Nationale Supérieure d'Arts et Métiers

High School, Electrical and Electronics Engineering; Mechanical engineering · (1987 - 1990)

Coordonnées

www.linkedin.com/in/bernard-fraioli-a7979366 (LinkedIn)

Principales compétences

Gaz

Ingénierie

Ingénierie de projet

Bernard FRAIOLI

Pressure Vessels Manager & Expert Local S 35 years of experiences in pressure vessels and piping chez Air Liquide Gas AB Paris et périphérie

Expérience

Air Liquide Gas AB

Pressure vessels manager with 35 years of experiences in pressure vessels and piping

2016 - Present (4 ans)

Air Liquide Champigny in France

Knowledge of the main construction codes of the pressure vessels (ASME, AD2000, EN13445, etc..) and Local regulations of pressure vessels & Local Senior Expert (PED 2014/68/UE, API510, etc...)

Monitoring and Inspection of the manufacturing of the pressure vessels worldwide

Pressure Vessels Manager for the design and calculation of pressure vessels & Heat exchangers (Internal pressure, External pressure, Fatigue, Wind & Seismic, etc ... manufactured according the main construction codes as per ASME VIII Div.1, TEMA, CODAP, AD2000, and EN13445 European Standard 97/23 / EC or other local regulations (TR CU for Russia, Brazil, Australia, Canada, etc ...).

Piping stress calculations.

- Design Authority of the pressure equipments
- Monitoring of subcontracting in France and abroad
- Research of new manufacturers abroad
- Research & Development of new products.
- Drafting and validation of specifications of pressure vessels.
- Clarification of the technical offers from subcontractors
- Intermediate and final inspections to the manufacturers in France and abroad (Poland, Slovakia, China, Canada, U.S, Korea, etc ..).
- On-site support from our gas production units for the assembly and / or revamping (many trips abroad).

Following of the manufacturing of the pressure vessels abroad

Chef d'Entreprise

Directeur technique

janvier 1990 - décembre 1992 (3 ans)

Achats et Fabrication chez RM Technique

Formation

Lycée Technique Jean Macé Vitry Sur Seine, CNAM Paris
Chaudronnerie et Tuyauterie

Yoann Orvain 2nd

Technical, quality and
development coordinator
at Air Liquide

Paris Area, France

309 connections

[Contact info](#)



Liquid air

high school la
mare carré

Highlights



**You both work at Air
Liquide**

Yoann started at Air
Liquide 7 years and 6
months before you did

[Say hello](#)



1 Mutual Group

You and Yoann are both
in Linde Gas Community

Experience



Liquid air

13 yrs 1 mo

- **Technical, quality, and development coordinator**

Jan 2017 – Present3 yrs 10 mos

Champigny-Sur-Marne Area, France

- **Construction Supervisor/Manager**

Full-time

Oct 2010 – Dec 20166 yrs 3 mos

Belgium, Deutschland, Qatar, South Korea, Poland

Construction supervisor on:

- _ Aladin Mons project (ASU)
- _ Alice Ulm project (ASU)
- _ Aurubis project (ASU - revamping)
- _ Posco SNG project (ASU)
- _ BASF project (HYCO)

Construction superintendent E&I on:

- _ Rhea project (Helium)

Construction manager on:

- _ Korwestheim project (ASU - revamping)
- _ ALKAT project (ASU)

[see less](#)

- Maintenance technician
Oct 2007 – Sep 2010 3 yrs

Education

high school la mare carré

Skills & Endorsements

Construction²

Rodolphe Touzet and 1 connection have given endorsements for this skill

Management²

Charles-André BAUDIERES and 1 connection have given endorsements for this skill

Instrumentation¹

Rodolphe Touzet has given an endorsement for this skill

Other Skills

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Gas³

Industrial infrastruc...²

Engineering²

Commissioning²

Energy²

Project management²

Project engineering¹

Petrochemicals¹

Factory¹

Planning of projects¹

Planning oil projects

Oil and gas¹

Electrician¹

Coordonnées

www.linkedin.com/in/yoann-orvain-962850a5 (LinkedIn)

Principales compétences

Gaz

Infrastructure industrielle et équipement

Ingénierie

Yoann Orvain

Coordinateur technique, qualité, et développement chez Air Liquide
Paris et périphérie

Expérience

Air Liquide

13 ans 1 mois

Coordinateur technique, qualité, et développement
janvier 2017 - Present (3 ans 10 mois)

Région de Champigny-Sur-Marne, France

Construction Supervisor/Manager

octobre 2010 - décembre 2016 (6 ans 3 mois)

Belgium, Deutchland, Qatar, South Korea, Poland

Construction supervisor on:

- _ Aladin Mons project (ASU)
- _ Alice Ulm project (ASU)
- _ Aurubis project (ASU - revamping)
- _ Posco SNG project (ASU)
- _ BASF project (HYCO)

Construction superintendent E&I on:

- _ Rhea project (Helium)

Construction manager on:

- _ Korwestheim project (ASU - revamping)
- _ ALKAT project (ASU)

Technicien de maintenance

octobre 2007 - septembre 2010 (3 ans)

Formation

Lycée la mare carré